



City of Las Vegas 2006 Energy Code Worksheet for Single Family Dwellings

Fill in ALL spaces that apply

Name: _____
Address: _____
Phone Number: _____

Plans Check # _____
Application # _____
Model/Plan # _____

Elevation less than 4,000 feet 2,250 Heating Degree Days

Roof/Ceiling Area

Your House

1	Flat or Vaulted	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
2	Cathedral	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
3	Other	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
4	Total of lines 1+2+3					= <input type="text"/>

Total roof area x U 0.0350 = **A**

Walls (Sq. Ft. Excluding Window Area)

5	Exterior Type 1	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
6	Exterior Type 2	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
7	Exterior Type 3	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
8	Garage House	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
9	Total of lines 5+6+7+8					= <input type="text"/>

Total wall area x U 0.0820 = **B**

Mass Wall Area (CMU, concrete, foam block)

11	Exterior Wall	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
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Total mass wall a x U 0.1410 = **C**

Windows (Sq.Ft.)

12	Fixed	<input type="text"/>	x U	<input type="text"/>	=	<input type="text"/>
13	Operable	<input type="text"/>	x U	<input type="text"/>	=	<input type="text"/>
14	Glass Block	<input type="text"/>	x U	<input type="text"/>	=	<input type="text"/>
15	Glazed Doors	<input type="text"/>	x U	<input type="text"/>	=	<input type="text"/>
16	Skylight	<input type="text"/>	x U	<input type="text"/>	=	<input type="text"/>
17	Total of lines 11+12+13+14+15					= <input type="text"/>

Total of Walls & Windows x U 0.65 = **D**

Floors Sq. Ft. (Over unheated space only)

18	Floor	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
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Total floor area x U 0.05 = **E**

Basement walls (Sq. Ft.)

19	Solid area	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
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Solid area x U 0.360 = **F**

Crawl space walls (Sq. Ft.)

20	Solid area	<input type="text"/>	÷ R	<input type="text"/>	=	<input type="text"/>
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$$\text{Solid area } \text{[yellow box]} \times U \frac{0.136}{\text{ }} = \text{ } G$$

21

$$\text{Add totals of lines } 4+9+11+17+18+19+20 = \text{ }$$

$$\text{Add totals of lines } A+B+C+D+E = \text{ } H$$

This fails

To pass, line H must be larger than line 21.